

Recombinant Full Length Human ATP6AP1 Protein, GST-tagged

Cat. No. ATP6AP1-1542HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ATP6AP1 full-length ORF (NP_001174.2, 1 a.a. - 470 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	470 amino acids
Description	This gene encodes a component of a multisubunit enzyme that mediates acidification of eukaryotic intracellular organelles. Vacuolar ATPase (V-ATPase) is comprised of a cytosolic V1 (site of the ATP catalytic site) and a transmembrane V0 domain. V-ATPase dependent organelle acidification is necessary for such intracellular processes as protein sorting, zymogen activation, and receptor-mediated endocytosis. The encoded protein of this gene may assist in the V-ATPase-mediated acidification of neuroendocrine secretory granules. This protein may also play a role in early development. [provided by RefSeq, Aug 2013]
Molecular Mass	78.4 kDa
AA Sequence	MMAAMATARV RMGPRCAQAL WRMPWLPVFL SLAAAAAAAA AEQQVPLVLW SSDRDLWAPA ADTHEGHITS DLQLSTYLDP ALELGPRNV LFLQDKLSIE DFTAYGGVFG NKQDSAFSNL ENALDLAPSS LVLPVDWYA VSTLT TYLQE KLGASPLHVD LATLRELKLN ASLPALLIR LPYTASSGLM APREVL TGND

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EVIGQVLSTL KSEDVPYTAA LTAVRPSRVA RDVAVVAGGL GRQLLQKQPV
 SPVIHPPVSY NDTAPRILFW AQNFSVAYKD QWEDLTPLTF GVQELNLTGS
 FWNDSFARLS LTYERLFGTT VTFKFILANR LYPVSARHWF TMERLEVHSN
 GSVAYFNASQ VTGPSIYSFH CEYVSSLSKK GSLLVARTQP SPWQMMLQDF
 QIQAFNVMGE QFSYASDCAS FFSPGIWMGL LTSLFMLFIF TYGLHMILSL
 KTMDRFDDHK GPTISLTQIV

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

ATP6AP1 ATPase, H⁺ transporting, lysosomal accessory protein 1 [Homo sapiens]

Official Symbol

ATP6AP1

Synonyms

ATP6AP1; ATPase, H⁺ transporting, lysosomal accessory protein 1; ATP6IP1,
 ATP6S1, ATPase, H⁺ transporting, lysosomal (vacuolar proton pump), subunit 1; V-
 type proton ATPase subunit S1; 16A; Ac45; CF2; ORF; VATPS1; XAP 3; XAP3;
 protein XAP-3; H-ATPase subunit; V-ATPase subunit S1; V-ATPase Ac45 subunit; V-
 ATPase S1 accessory protein; vacuolar proton pump subunit S1; ATPase, H⁺
 transporting, lysosomal interacting protein 1; ATPase, H⁺ transporting, lysosomal
 (vacuolar proton pump), subunit 1; XAP-3; ATP6S1; ATP6IP1; MGC129781

Gene ID

537

mRNA Refseq

NM_001183

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Protein Refseq	NP_001174
MIM	300197
UniProt ID	Q15904

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